Thermochimica Acta, 191 (1991) 353
Elsevier Science Publishers B.V., Amsterdam

AUTHOR INDEX

Aboul-Gheit, A.K., 233
Adamkovičová, K., 57
Allan, J.R., 211, 223
Ayala, J.D., 317

Bakare, P.P., 255
Balakrishnan, I., 265
Baltanás, M.A., 63
Bonivardi, A.L., 63
Butler, H., 29

Chadha, A.K., 323
Cordero, T., 161

Dalrymple, J., 223
Dass, N.V.R., 255
Dhar, M.L., 285
Diaz, F.R., 201

El-Wakil, N.A., 21

Faraglia, G., 95
Fellner, P., 57
Fregona, D., 95
Fu, R.-N., 131

Ganga Devi, T., 105
García, F., 161
Gardner, P.J., 293
George, S., 271
Gil, F.J., 179
Gospodinov, G.G., 115, 241, 249
Greenwood, D.J., 29
Guilemany, J.M., 179
Gunjikar, V.G., 265
Guo, Z.J., 95

Halawani, K.H.M., 121
Hepler, L.G., 155
Hinode, H., 341
Hokkanen, H., 35

Ike, E., 341
Ilieva, N.I., 115

Jayadevan, N.C., 232

Kaduskar, P.S., 255
Kandeil, A.Y., 333
Kannan, M.P., 105
Kasprzycka-Guttman, T., 41
Kassem, M., 333
Kosa, L., 57
Krishnan, K., 323

Laitinen, H.A., 35
Lazor, P., 57
Leskelä, T., 35
Liu, H.-W., 131
Liu, W.-S., 135

Martin-Gil, F.J., 299
Martin-Gil, J., 299
Matos, J.R., 317
Muraleedharan, K., 105

Nagieb, Z.A., 21
Naoum, M.M., 21
Nerád, I., 57
Niinistö, L., 35

Odzeniak, D., 41
Oksala, R., 29
Orduna-Domingo, A., 299
Oshima, A., 341

Patel, R.G., 307
Patel, V.S., 307
Paton, A.D., 211
Prasad, S., 265
Preston, S.R., 293
Proks, I., 57

Rai, U.S., 271
Ramos-Sanchez, M.C., 299
Rane, S.Y., 255
Rodríguez, J.J., 161
Rodríguez-Maroto, J.M., 161
Rodriguez-Torres, A., 299

Salama, S.N., 187
Salman, S.M., 187
Salvekar, J.P., 255
Sefain, M.Z., 21
Singh, O., 285
Singh Mudher, K.D., 323
Sitran, S., 95
Slanina, Z., 47
Slocombe, M.J., 293
Soni, H.K., 307
Sun, Z.-W., 1, 13

Tagle, L.H., 201
Tan, M.-Y., 135
Tang, Y.-J., 1, 13
Turvey, K., 211

Uhlík, F., 47

Vargas, M.A., 201
Vicentini, G., 317

Wakihara, M., 341
Wei, J.-X., 143
Wells, C.F., 121

Ye, S., 143
Yuan, X.-M., 1, 13

Zhang, A.-Q., 131
Zhang, X., 155
Zhou, D.-Z., 143

Thermochimica Acta, 191 (1991) 355–358
Elsevier Science Publishers B.V., Amsterdam

SUBJECT INDEX

Acyl groups
Reactivity of acyl and aquo groups in metal–quinone aggregates of Photosystem-II, 255
Ammonia desorption
Effect of decationation and dealumination of zeolite Y on its acidity as assessed by ammonia desorption measured by differential scanning calorimetry (DSC), 233
Ammonium zirconyl oxalate
Thermal decomposition kinetics of zirconyl oxalate, zirconyl oxalic acid and ammonium zirconyl oxalate, 105
Aquo groups
Reactivity of acyl and aquo groups in metal–quinone aggregates of Photosystem-II, 255
Aromatic amine oxide
Scandium trifluoromethanesulphonate aromatic amine oxide complexes: synthesis, characterisation and thermoanalytical investigation, 317

Bagasse pulps
Thermal degradation of paper sheets made from wood treated with phenolic resin and bagasse pulps, 21
Benzidine
Some physicochemical studies on organic eutectics and 1:2 addition compound; benzidine–β-naphthol system, 271
Benzophenone tetracarboxylic acid
Dehydration of 3,3′, 4,4′-benezophenone tetracarboxylic acid into its dianhydride, 143
Benzoquinoline
Thermal, spectral and magnetic studies of cobalt(II), copper(II) and zinc(II) complexes of 5,6-benzoquinoline and 6-methoxyquinoline, 223
Bisacid A-2
Thermogravimetric analysis of poly(ether-ester)s derived from bisacid A-2 and related diacids and diphenols, 201
Bisphenol-C
Studies on cure kinetics and thermal stability of liquid epoxy resin based on bisphenol-C and epichlorohydrin using different amines as curing agents, 307
Borates
DSC studies on the kinetics of decomposition of some Mg-containing borates under normal pressure, 1 DSC studies on the kinetics of decomposition of some Mg-containing borates under high pressures, 13
Brucella
Thermal analysis of lipopolysaccharides from *Brucella* and other Gram-negative bacteria, 299

Cadmium dihalide complexes
The thermal behaviour of zinc and cadmium dihalide complexes with O- and S-donors, 95
Cd complexes
Preparation, structural characterisation, and thermal and electrical studies of complexes of zinc, cadmium and mercury with 2-methylquinoxaline, 211
Chromium Chevrel-phase sulphides
Measurements of enthalpies of phase transition for chromium Chevrel-phase sulphides in the temperature range from 400 to 900 K, 341
Co complexes
Thermal, spectral and magnetic studies of cobalt(II), copper(II) and zinc(II) complexes of 5,6-benzoquinoline and 6-methoxyquinoline, 223
Crystallinity
Physicomechanical properties and crystallinity of γ-irradiated low density polyethylene, 333
Cu complexes
Thermal, spectral and magnetic studies of cobalt(II), copper(II) and zinc(II) complexes of 5,6-benzoquinoline and 6-methoxyquinoline, 223
Cu $(NO_3)_2$
Phase states of tellurites in the three-component system $Cu(NO_3)_2$–Na_2TeO_3–H_2O at 25 and 100 °C, 241

Dealumination
Effect of decationation and dealumination of zeolite Y on its acidity as assessed by ammonia desorption measured by differential scanning calorimetry (DSC), 233

0040-6031/91/$03.50 © 1991 – Elsevier Science Publishers B.V. All rights reserved

Decationation
Effect of decationation and dealumination of zeolite Y on its acidity as assessed by ammonia desorption measured by differential scanning calorimetry (DSC), 233
Diacid
Thermogravimetric analysis of poly(ether-ester)s derived from bisacid A-2 and related diacids and diphenols, 201
Diethylene glycol
Ionic solvation in water + co-solvent mixtures. Part 23. Free energies of transfer of single ions from water into water + diethylene glycol mixtures, 121
Digallane (4)
Digallane (4) Ga_2H_4 as the ideal gas phase equilibrium mixture of its six isomers, 47
Dihydroxycoumaran-3-one
Synthesis and thermal decomposition of UO_2(II) complexes with 4,6-dihydroxycoumaran-3-one and *O*-vanillin oxime, 285
Diphenol
Thermogravimetric analysis of poly(ether-ester)s derived from bisacid A-2 and related diacids and diphenols, 201

Epichlorohydrin
Studies on cure kinetics and thermal stability of liquid epoxy resin based on bisphenol-C and epichlorohydrin using different amines as curing agents, 307
Epoxy resin
Studies on cure kinetics and thermal stability of liquid epoxy resin based on bisphenol-C and epichlorohydrin using different amines as curing agents, 307
Eutectics
Some physicochemical studies on organic eutectics and 1:2 addition compound; benzidine–β-naphthol system, 271

Fat
Specific heats of some oils and a fat, 41

Ga_2H_4
Digallane (4) Ga_2H_4 as the ideal gas phase equilibrium mixture of its six isomers, 47
Gram-negative bacteria
Thermal analysis of lipopolysaccharides from *Brucella* and other Gram-negative bacteria, 299

Hg complexes
Preparation, structural characterisation, and thermal and electrical studies of complexes of zinc, cadmium and mercury with 2-methylquinoxaline, 211
$Hg(NO_3)_2$
Metal tellurites in the three-component systems $Hg(NO_3)_2$–Na_2TeO_3–H_2O at 25 and 100 °C, 115

Indium(III) bromide
High temperature heat capacities of indium (III) bromide and sodium iodide by differential scanning calorimetry, 293
Irradiation
Physicomechanical properties and crystallinity of γ-irradiated low density polyethylene, 333

$KLnU(C_2O_4)_4 \cdot 8H_2O$ (Ln = La, Ce, Pr, Nd and Tb)
X-ray and thermal studies on $KLnU(C_2O_4)_4 \cdot 8H_2O$ (Ln = La, Ce, Pr, Nd and Tb), 323

Lanthanide chlorides
Infrared, thermal and fluorescence investigations of 1,10-phenanthroline-*N*-oxide chelates with lanthanide chlorides, 135
Lipopolysaccharides
Thermal analysis of lipopolysaccharides from *Brucella* and other Gram-negative bacteria, 299

Manganese oxide
Contribution of manganese oxide to the thermal expansion of some silicate glasses and their crystalline solids, 187
Methoxyquinoline
Thermal, spectral and magnetic studies of cobalt(II), copper(II) and zinc(II) complexes of 5,6-benzoquinoline and 6-methoxyquinoline, 223
Methylquinoxaline
Preparation, structural characterisation, and thermal and electrical studies of complexes of zinc, cadmium and mercury with 2-methylquinoxaline, 211
Mg-containing borates
DSC studies on the kinetics of decomposition of some Mg-containing borates under normal pressure, 1
DSC studies on the kinetics of decomposition of some Mg-containing borates under high pressures, 13
Molecular sieve
Thermal behaviour of the largest known pore size molecular sieve VPI-5, 265

Na_2TeO_3
Compounds in the three-component systems $Pb(NO_3)_2$–Na_2TeO_3–H_2O at 25 °C and $Pb(CH_3COO)_2$–Na_2TeO_3–H_2O at 100 °C

and their physicochemical properties, 249
Metal tellurites in the three-component systems $Hg(NO_3)_2$–Na_2TeO_3–H_2O at 25 and 100 °C, 115
Phase states of tellurites in the three-component system $Cu(NO_3)_2$–Na_2TeO_3–H_2O at 25 and 100 °C, 241
Na_3FSO_4
Determination of the enthalpy of fusion of Na_3FSO_4, 57
Naphthol
Some physicochemical studies on organic eutectics and 1:2 addition compound; benzidine–β-naphthol system, 271
Nitramon propellants
A study of the thermal stabilities of nitramon propellants by pyrolysis gas chromatography, 131

O-donors
The thermal behaviour of zinc and cadmium dihalide complexes with O- and S-donors, 95
Oil
Specific heats of some oils and a fat, 41
Oxidation of fuels
Application of calorimetry to investigations of kinetics and energetics of oxidation of fuels. Experimental and calculational methods for initial rates, 155
Oxidizing atmosphere
Thermal decomposition of wood in oxidizing atmosphere. A kinetic study from non-isothermal TG experiments, 161

Paper sheets
Thermal degradation of paper sheets made from wood treated with phenolic resin and bagasse pulps, 21
$Pb(CH_3COO)_2$
Compounds in the three-component systems $Pb(NO_3)_2$–Na_2TeO_3–H_2O at 25 °C and $Pb(CH_3COO)_2$–Na_2TeO_3–H_2O at 100 °C and their physicochemical properties, 249
$Pb(NO_3)_2$
Compounds in the three-component systems $Pb(NO_3)_2$–Na_2TeO_3–H_2O at 25 °C and $Pb(CH_3COO)_2$–Na_2TeO_3–H_2O at 100 °C and their physicochemical properties, 249
$[Pd(NH_3)_4]^{2+}$
Preparation of Pd/SiO_2 catalysts for methanol synthesis. Part II. Thermal decomposition of $[Pd(NH_3)_4]^{2+}/SiO_2$, 63
Pd/SiO_2 catalysts
Preparation of Pd/SiO_2 catalysts for methanol synthesis. Part II. Thermal decomposition of $[Pd(NH_3)_4]^{2+}/SiO_2$, 63
Perkin–Elmer TGS-2
Automation and control of the Perkin–Elmer TGS-2 thermogravimetric analyzer, 29
Phase transition
Measurements of enthalpies of phase transition for chromium Chevrel-phase sulphides in the temperature range from 400 to 900 K, 341
Phenanthroline-*N*-oxide
Infrared, thermal and fluorescence investigations of 1, 10-phenanthroline-*N*-oxide chelates with lanthanide chlorides, 135
Phenolic resin
Thermal degradation of paper sheets made from wood treated with phenolic resin and bagasse pulps, 21
Photosystem-II
Reactivity of acyl and aquo groups in metal–quinone aggregates of Photosystem-II, 255
Physicomechanical properties
Physicomechanical properties and crystallinity of γ-irradiated low density polyethylene, 333
Platinum(IV) pentammine complex
Thermoanalytical study of solid platinum(IV) pentammine complexes, 35
Poly(ether-ester)s
Thermogravimetric analysis of poly(ether-ester)s derived from bisacid A-2 and related diacids and diphenols, 201
Polyethylene
Physicomechanical properties and crystallinity of γ-irradiated low density polyethylene, 333

Quinone
Reactivity of acyl and aquo groups in metal–quinone aggregates of Photosystem-II, 255

S-donors
The thermal behaviour of zinc and cadmium dihalide complexes with O- and S-donors, 95
Scandium trifluoromethanesulphonate
Scandium trifluoromethanesulphonate aromatic amine oxide complexes: synthesis, characterisation and thermoanalytical investigation, 317
Shape-memory alloys
The thermodynamics of Cu–Zn–Al–Mn shape-memory alloys, 179
Silicate glasses
Contribution of manganese oxide to the thermal expansion of some silicate glasses and their crystalline solids, 187

Single ions
Ionic solvation in water + co-solvent mixtures. Part 23. Free energies of transfer of single ions from water into water + diethylene glycol mixtures, 121
SiO_2
Preparation of Pd/SiO_2 catalysts for methanol synthesis. Part II. Thermal decomposition of $[Pd(NH_3)_4]^{2+}/SiO_2$, 63
Sodium iodide
High temperature heat capacities of indium (III) bromide and sodium iodide by differential scanning calorimetry, 293

Thermal expansion
Contribution of manganese oxide to the thermal expansion of some silicate glasses and their crystalline solids, 187

UO_2(II) complexes
Synthesis and thermal decomposition of UO_2(II) complexes with 4,6-dihydroxycoumaran-3-one and *O*-vanillin oxime, 285

Vanillin oxime
Synthesis and thermal decomposition of UO_2(II) complexes with 4,6-dihydroxycoumaran-3-one and *O*-vanillin oxime, 285
VPI-5
Thermal behaviour of the largest known pore size molecular sieve VPI-5, 265

Wood
Thermal decomposition of wood in oxidizing atmosphere. A kinetic study from non-isothermal TG experiments, 161

Zeolite Y
Effect of decationation and dealumination of zeolite Y on its acidity as assessed by ammonia desorption measured by differential scanning calorimetry (DSC), 233
Zinc dihalide complexes
The thermal behaviour of zinc and cadmium dihalide complexes with O- and S-donors, 95
Zirconyl oxalate
Thermal decomposition kinetics of zirconyl oxalate, zirconyl oxalic acid and ammonium zirconyl oxalate, 105
Zirconyl oxalic acid
Thermal decomposition kinetics of zirconyl oxalate, zirconyl oxalic acid and ammonium zirconyl oxalate, 105
Zn complexes
Preparation, structural characterisation, and thermal and electrical studies of complexes of zinc, cadmium and mercury with 2-methylquinoxaline, 211
Thermal, spectral and magnetic studies of cobalt(II), copper(II) and zinc(II) complexes of 5,6-benzoquinoline and 6-methoxyquinoline, 223